Caref Watch

(GPS+GSM+SMS/GPRS)

User Manual

Version 1.0

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1.Product Introduction:

Caref Watch

Caref Watch is the smallest GPS watch tracker in the world, it is designed especially for kids, old person, and Outdoor sports.

Caref is short for “Care for Family”. The products integrated GPS, GSM and GPRS features with waterproof function. It is able to realize the real-time tracking, emergency alarm, two way voice communication, and workable for outdoor exercise in rain or even in water. We can get to know the exact situation of wearer remotely by PC or mobile phone to take care of your beloved one by the watch at any time anywhere.

Caref Watch is designed with five different colors respectively are yellow, black, purple, pink and green. Its delicate appearance and comfortable materials bring you and your family to a safer and colorful life.

Before using the watch, pls kindly carefully read the below information, it will help you to operate more efficiently and make the watch work more perfectly.

2. Characteristics:

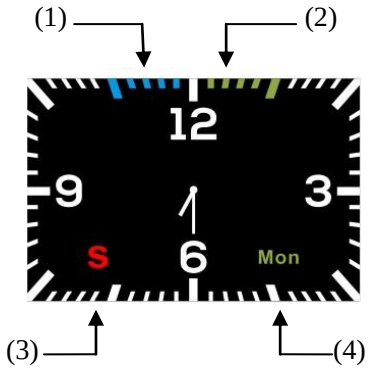
1) The smallest size in the world: 40mm*30mm*12.5mm.
2) Waterproof level IP 67.
3) Delicate appearance and comfortable materials.
4) Real-time tracking.
5) Low-power consumption, working time reach 12 hours.
6) Two way voice communication.
7) Preset three dialing number.
8) Build-in G-Sensor for saving the battery.
9) LBS positioning when under buildings.
10) Build-in flash memory for coordinates storage.
11) GEO-Fence alarm.
12) Emergency alarm.
13) Available for voice monitoring.

3. Specification:

Items	**Parameters**
GSM Chipset	MTK
GPS Chipset	U-blox 7
GPS Sensitivity	-163 dBm
GPS Positioning Accuracy	5-25m
GSM Positioning Accuracy	100-500m
Waterproof Level	IP67
Speed Accuracy	0.1m/s
Time Accuracy	Synchronize with GPS
GPS Data	WGS-84
Hot Start	<1s
Warm Start	<38s
Max Altitude	18000m
Max Speed	515m/s
Gravity Acceleration	<4g
Operating Temperature	-20℃—65℃
Humidity	5%—95%
Size	40mm*30mm*12.5mm
Battery	Rechargeable lithium polymer battery 350mAh
Power Supply	3.7V-5V, 0.2A-0.5A
Standby	>48h
Working Duration	>8h

4 Interface Description:

4.1 Clock Inteface



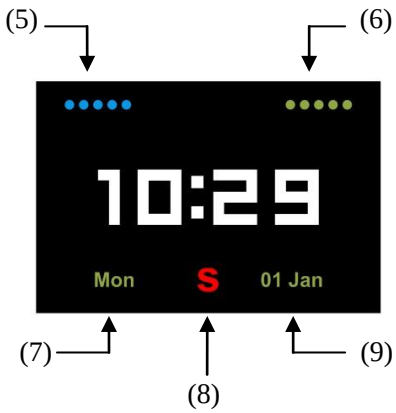
(1): GSM signal indicator

(2): Battery volume indicator

(3): Indicator for SOS alarm successfully activated

(4): Week indicator

4.2 Digital Clock interface



(5): GSM signal indicator

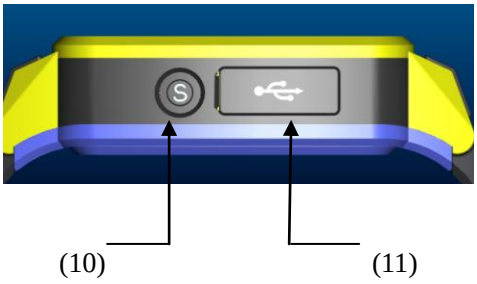
(6): Battery volume indicator

(7): Week indicator

(8): Indicator for SOS alarm successfully activated

(9): Date indicator

4.3 Profile in right



(10): SOS Key

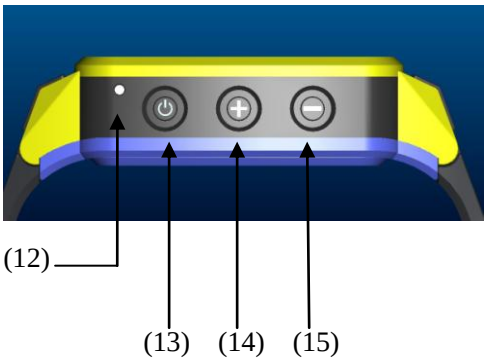
You can preset 3 mobile number by command, eg:

 # SERVICE #number1#number 2# number 3#000000#

When configure OK, pls press SOS key for more than 3S, the device will call to these three numbers in turn.

(11): USB Slot for USB charger and configuration cable

4.4 Profile in left



(12): Mic Slot

(13): Power Key

Shortly press for shift the clock interface.

Longly press for power on and off

(14): Volume +

Longly press for calling to service Number 2 you have preset

(15): Volume -:

Longly press for calling to service Number 3 you have preset

5 Configuration

5.1 SMS configuration

Function	**Command**	**Notes**
Set user information	**#NAME#name of user#password#** Eg: #NAME#GATOR#000000#	Default password is 000000 Replied SMS: Config OK=Set successfully Config failed=fail to set
Set service number	**#SERVICE#number 1#number 2#number 3#** Eg: # SERVICE #13512345001#13512345002# 13512345003#000000#	When configure OK, pls press SOS key for more than 3S, the device will call to these three numbers in turn, after hanging up, the device will send the location information to these three numbers respectively
Set APN and server	**#SERVER#APN#APN's username#APN's**	If the APN has no

information	**password#IP#port#password#** Eg: #SERVER#CMNET#211.154.139.208#8885#000000#	username or password, then we only edit APN in the command like the example.
Set low power alert	**#POWER#status number#password#** Eg: #POWER#1#000000# **Alert SMS content, eg:** Low power alarm from GATOR, the current location is http://maps.google.com/?q=23.12345,120.12345	Status number: 1=open the low power alert 0=close the low power alert Default setting is status 1
Set time zone	**#TIMEZONE#E/W#HH:mm#** Eg: #TIMEZONE#E#05:30#	E=Eastern hemisphere W=Western hemisphere HH=hours Mm=minutes The default time zone is according to GMT+8, Pls set to your time zone
Set interval	**#INTERVAL#interval time(unit: s)#password#** Eg: #INTERVLA#60#00000#	When it is set ok, the device will upload data to software at the set interval.
Set Working mode	**#MODE#mode number#password#** Eg: #MODE#0#000000#	Mode number: 0=GPRS mode 1=SMS mode
Set Emergency mode	**#SOS#password#** Eg: #SOS#000000#	When you activated the emergency mode, the device will upload data to server at 10s interval for 5 minutes, then back to the preset interval again.
Check GPS location	**#LOCATION#password#** Eg: #LOCATION#000000# **Replied SMS content, eg:** The current location of GATOR is http://maps.google.com/?q=23.12345,120.12345	You can get the current location data from the device
Check working status	**#CHECK#password#** Eg: #CHECK#000000# **Replied SMS content, eg:** Device ID:IMEI number; Phone number:13512345001,	You can get the current working status information from device

	13512345002, 13512345003; APN: cmnet, apn username, apn pwd; Server: 211.154.139.208, Port: 8870; Interval:60; Speed: 0km/h; Password: 000000	
Check firmware version	**#VERSION#password#** Eg: #VERSION#000000#	You can get the firmware version information from device
Restart device	**#RESTART#password#** Eg: #RESTART#000000#	Restart the device by SMS
Reset to defaults	**#FACTORY#password#** Eg: #FACTORY#000000#	If you want to remove all the information that you have set in device, pls send this command
Modify password	**#PWD#old password#new password#** Eg: #PWD#000000#112233#	Default password is 000000

5.2 Software configuration

6 Standard Accessories

6.1 Adaptor image

6.2 Adaptor Specification

Input: AC100-240V, 50-60Hz, 0.15A Max

Output: DC 5V, 500mA

6.3 USB cable image